

### Visual Level Indicator with continuous output Ohm / 4-20mA

The RIELS RIL670 VisuLevel series gauges allow control at all times the liquid steadily, clearly and precisely.

#### Principle of operation:

The principle used is that of the vases: the liquid from the tank when the gauge is applied by means of hollow screws through the transparent tube, revealing the precise point reached in the tank.

The visualization is made more efficient with the inclusion of a float in the clear tube, this housing inside a magnet, whose field of action without physical contact small reed placed within a tube steel applied to the level. The operation of these contacts can be inserted or the gradual disarming of resistance, also placed inside the stainless steel tube (raster), generating a signal resistive, variously used (eg 4÷20 mA) proportional to the liquid inside the tank.

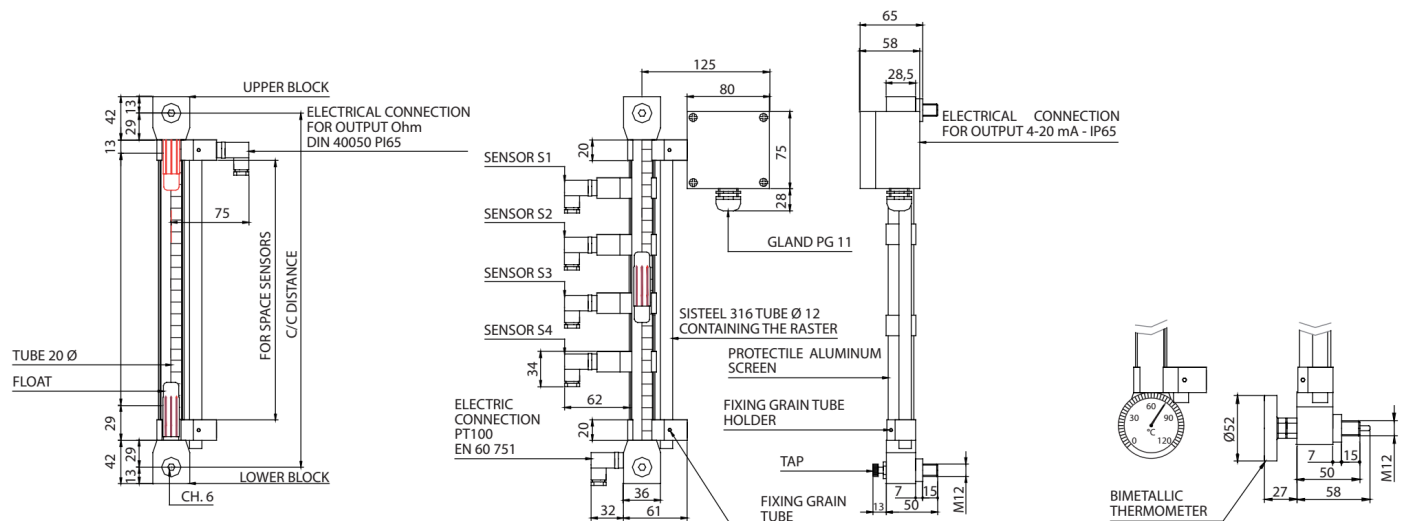
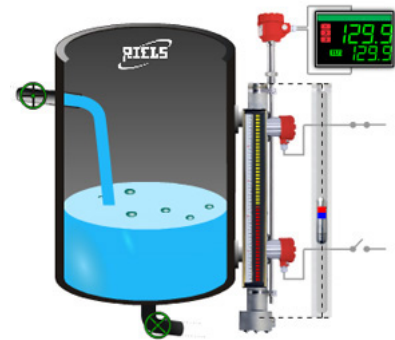
The float in the transparent tube slides, can excite one or more latching sensors, positioned at will along the axis of the level, and only when the float will turn the opposite direction the sensor is not be more excited.

#### Technical advantages

- Display constant and continuous level of the liquid with high precision repeatability
- Indication of linear liquid level, whatever the form of tank and distance between gauge and tank walls
- Display visual field and remote level measurement
- Activation, through sensors, to additional controls.

#### Options:

- C/C distance from 200 to 3000 mm
- Output 4÷20 mA, 0÷10V transducer; Ohm with 4 electrical alarm contacts
- Different polymeric materials used for the transparent tube, the heads and the O-rings
- Stop valve to stop the flow of liquid from the tank to the indicator level (as an alternative to the probe thermometer)
- Temperature sensor integrated in the lower head of the indicator PT 100 or PT1000 level
- Integrated temperature sensor in the lower end of the level (PT100 according to EN 60751)
- Simple electric contacts or in exchange
- Digital display



## RIL670

BISTABLE SENSORS	SPST CONTACT	
SWITCHING POWER IN C.C.	40W	SPACE FOR SENSORS = DISTANCE 100
SWITCHING POWER IN C.A.	40 VA	
CURRENT INTENSITY IN C.C. - C.A.	2 A	CONTROL FIELD = DISTANCE 102
SWITCHING VOLTAGE	230 VDC/VAC	

